

**"METHOD OF ANIMATING A SYNTHESISED MODEL OF A HUMAN FACE
DRIVEN BY AN ACOUSTIC SIGNAL"**

Abstract

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THE METHOD PERMITS THE ANIMATION OF A SYNTHESISED MODEL OF A HUMAN FACE
IN RELATION TO AN AUDIO SIGNAL. THE METHOD IS NOT LANGUAGE DEPENDENT AND
PROVIDES A VERY NATURAL ANIMATED SYNTHETIC MODEL, BEING BASED ON THE
SIMULTANEOUS ANALYSIS OF VOICE AND FACIAL MOVEMENTS, TRACKED ON REAL
10 SPEAKERS, AND ON THE EXTRACTION OF SUITABLE VISEMES.

THE SUBSEQUENT ANIMATION CONSISTS IN TRANSFORMING THE SEQUENCE OF
VISEMES CORRESPONDING TO THE PHONEMES OF THE DRIVING TEXT INTO THE
SEQUENCE OF MOVEMENTS APPLIED TO THE MODEL OF THE HUMAN FACE.

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